



AVOX Systems

SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

TEST DATA SHEET FOR P/N 27550 Series Oxygen Shut-Off Valves

1. BACKGROUND

- A. This SIL provides a standardized form on which to record the results of the required functional tests in Component Maintenance Manual 35-01-22 that must be passed in order to return a unit to service. This form will be incorporated into the Component Maintenance Manual at the next revision.
- B. You are authorized to copy the form on page 2. If you copy the form on page 2, you must copy all of the form.
- C. Use this form only for the AVOX Systems component printed on the form. Do not use this form for any other AVOX Systems components or for any components of another company.

2. EFFECTIVITY

- A. Aircraft
The Test Data Sheet on page 2 can be used for all units whether removed from any aircraft or from spares inventory.
- B. This SIL applies to P/N 27550 Series Oxygen Shut-Off Valves only.

3. MATERIALS

The only material required by this SIL is the Test Data Sheet on page 2.

4. ACCOMPLISHMENT OF SIL

- A. Make complete copies of the Test Data Sheet on page 2.
- B. Use a copy of the Test Data Sheet from page 2 to record the results of tests whenever a P/N 27550 Series Oxygen Shut-Off Valve is tested.

5. TO CONTACT AVOX SYSTEMS:

Use the contact information below to get a copy of a Component Maintenance Manual or the revision status of a publication. Give the AVOX Systems part number and the aircraft model when you request a Component Maintenance Manual copy.

First tier operators:

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COMPONENT MAINTENANCE MANUAL 35-01-22
TEST DATA SHEET
27550 Series Oxygen Shut-Off Valve

Tested by: _____

Date: _____

Part Number: 27550-_____

Inspected by: _____

Date: _____

Serial Number: _____

Refer to the Check and the Testing and Trouble Shooting sections of COMPONENT MAINTENANCE MANUAL 35-01-22.

1. Check

Inspect the assembly and components for evidence of external damage, scoring, thread damage, and overall condition. Verify no evidence of deterioration to elastomer components. Verify that any parts that are no longer serviceable have been replaced.

☐ FAIL	PASS ☐
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1. Test Procedures**A. Leakage Test**

Perform a leakage test.

Inlet Pressure (psig)	Valve Handle Position	Duration (Minutes)	0 Leakage Allowed
50	1 1/2 Turns Open	5.0	☐ FAIL PASS ☐
2000	1 1/2 Turns Open	5.0	☐ FAIL PASS ☐
50	Fully Closed	5.0	☐ FAIL PASS ☐
2000	Fully Closed	5.0	☐ FAIL PASS ☐

1. Test Procedures**B. Valve Flow Test**

Perform a valve flow test.

Inlet Pressure (psig)	Valve Handle Position (turns from closed position)	Outlet Flow (lpm)		
		Minimum	Maximum	
2000	1/4	0	75	☐ FAIL PASS ☐
	1/2	0	200	☐ FAIL PASS ☐
	3/4	15	550	☐ FAIL PASS ☐
	1	100	900	☐ FAIL PASS ☐
	1 1/4	350	1270	☐ FAIL PASS ☐
	1 1/2	720	1620	☐ FAIL PASS ☐
	1 3/4	1080	1960	☐ FAIL PASS ☐
	2	1440	2325	☐ FAIL PASS ☐

1. Test Procedures**B. Open/Close Torque Test**

Perform an open/close torque test.

Inlet Pressure (psig)	Torque 15 in•lb (1.7 N•m)
2000	☐ FAIL PASS ☐

NOTE: FLOWS ARE GIVEN FOR OXYGEN TEST GAS @ NTPD.
 APPLY THE APPROPRIATE CORRECTION FACTOR IF ANOTHER MEDIUM IS USED.